Emergency Cluster Documentation

Shutdown

1. Ensure the switcher is set to Channel 1.

2. Login as root on the CE.

   - Verify logged into CE:
     ```
     # hostname
     uscms1.fltech-grid3.fit.edu
     ```
   - Verify logged in as root:
     ```
     # whoami
     root
     ```

3. Run the command: `totalShutdown`

4. Once all components have been powered down, turn off the three UPSs.

5. Unplug the UPSs.

6. Unplug the two power strips behind the cluster.

Powerup

1. Plug in the two power strips and the three UPSs.

2. Turn on the UPSs.

3. Set the switcher to Channel 4, and turn on the monitor.

4. Powerup NAS-0 and NAS-1.

5. Wait until a login prompt appears on the monitor to ensure that the NASs have fully powered up.

6. Set the switcher to Channel 1.

7. Powerup the CE and SE.

8. Wait until a login prompt appears on the monitor to ensure that the CE and SE have fully powered up.

9. Turn on the nodes.

If the cluster MUST be shut down, and the password is unknown, follow the instructions on the back of this sheet.

Administrator Contact Information

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Cluster Force Shutdown

1. In the right cabinet, flip all four "Geist" power strips to off.

2. In the left cabinet, find the power button of the SE (top-right most button of the lowest computer) then press and hold it until all of the computer's lights turn off.

3. In the left cabinet, find the power button of NAS-1 (bottom-left most button of the second lowest computer) then press and hold it until all of the computer's lights turn off.

4. In the right cabinet, find the power button of NAS-0 (top-right most button of the larger of the two bottom-most computers) then press and hold it until all of the computer's lights turn off.

5. In the right cabinet, find the power button of the CE (top-right most button of the smaller of the two bottom most computers) then press and hold it until all of the computer's lights turn off.

6. In the right cabinet, find the power button of the APC UPS (labeled as "O" on the machine just below NAS-0) then press and hold it until all of the UPS's lights turn off.

7. In the right cabinet, find the power buttons of the SmartPro UPSs (the two machines below the APC UPS) then press and hold each of them until all of the UPSs' lights turn off.

8. Behind the cluster, unplug the two normal plugs and the three twist-lock plugs. NOTE: The twist-lock plugs must first be twisted so that they may be unplugged.